



Caledonian

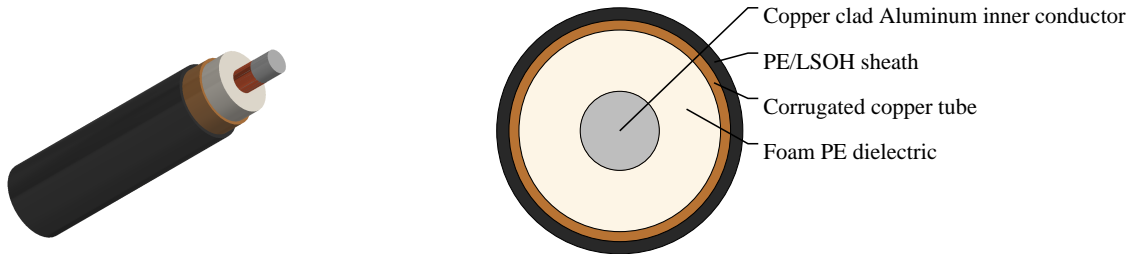
Coaxial Cables

www.caledonian-cables.com

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50 Ohm Wideband Coaxial Cables

RF16(5/8")



Construction

Inner conductor	Copper clad Aluminium	Φ7.11 mm
Dielectric	Foam PE	Φ18.03 mm
Outer conductor	Corrugated copper	Φ19.81 mm
Sheath	PE/LSOH	Φ22.10 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	0.72 Ohm/Km
Outer conductor resistance	1.38 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	5 KV
Cable weight (approx.)	401 kg/km
Operating Frequency Band	1 – 6100 MHz
Screening effectiveness	>120dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	0.48	0.15
100	1.55	0.47
150	1.92	0.59
200	2.24	0.68



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300	2.78	0.85
450	3.46	1.05
500	3.66	1.12
700	4.41	1.34
800	4.75	1.45
900	5.06	1.54
1000	5.38	1.64
1500	6.78	2.07

Return Loss

806-960 MHz	24.3dB
1700-2000 MHz	24.3dB